

MTS-520US3

PTO/SB/51 (12-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<p style="text-align: center; margin: 0;">SUBSTITUTE</p> <p style="margin: 0;"><b>REISSUE APPLICATION DECLARATION BY THE INVENTOR</b></p>	<p style="text-align: center; margin: 0;">Docket Number (Optional)</p> <p style="margin: 0;">MTS-520US1</p>
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COPY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,761,301, granted June 2, 1998, and for which a reissue patent is sought on the invention entitled MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK, the specification of which

☐ is attached hereto.

☒ was filed on June 2, 2000 as reissue application number 09 / 588,364 and was amended on \_\_\_\_\_ (If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described as follows:  
See Attachment:

[Page 1 of 2]

**Burden Hour Statement:** This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) <b>MTS-520US1</b>	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.			
Name(s)	Registration Number		
Allan Ratner	19,717		
Jacques L. Etkowicz	41,738		
Correspondence Address: Direct all communications about the application to:		Place Customer Number Bar Code Label here	
<input type="checkbox"/> Customer Number		<input type="checkbox"/>	
OR	Type Customer Number here		
<input checked="" type="checkbox"/> Firm or Individual Name	Ratner & Prestia		
Address	P.O. Box 980		
Address			
City	Valley Forge	State	PA ZIP 19482
Country			
Telephone	610-407-0700	Fax	610-407-0701
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such wilful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of sole or first inventor (given name, family name)			
Mitsuaki Oshima			
Inventor's signature			
<i>Mitsuaki Oshima</i>			
Residence	Kyoto, Japan	Date	October 1, 2001
Post Office Address	115-3, Minamitatsumi-cho, Katsura, Nishikyo-ku, Kyoto-shi, Kyoto 615, Japan		
	Citizenship Japanese		
Full name of second joint inventor (given name, family name)			
Yoshiho Gotoh			
Inventor's signature			
<i>Yoshiho Gotoh</i>			
Residence	Osaka, Japan	Date	October 1, 2001
	Citizenship Japanese		
Post Office Address			
Room 201, 9-17, Higashinkahama 4-chome, Jyoto-ku, Osaka-shi, Osaka 536, Japan			
Full name of third joint inventor (given name, family name)			
Inventor's signature			
Date			
Residence			
Citizenship			
Post Office Address			
<input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto.			

T0402 240200T

1. The first part of the paper is devoted to a review of the literature on the topic. It starts with a general overview of the field, followed by a more detailed discussion of the specific issues at hand. The author then presents his own findings, which are based on a series of experiments and observations. Finally, he concludes with some thoughts on the future of the field and the implications of his work.

During the prosecution of the application that issued as the above patent, the inventors did not recognize that the features disclosed in the patent at col. 12, lines 30-46 were appropriate to claim. As such, the inventors did not claim all that they had a right to claim. This error was made without deceptive intent. More specifically, the inventors did not claim the feature of the reflective layer being trimmed by a laser to form a barcode-like trimming pattern.

### Prior Foreign Application(s)

(Number)	(Country)	(Day/Month/Year Filed)
6-283415	Japan	17/November/1994
7-016153	Japan	02/February/1995
7-261247	Japan	09/October/199

MTS-520US3

PTO/SB/51 (12-97)

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# REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

MTS-520US1

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,761,301, granted June 2, 1998, and for which a reissue patent is sought on the invention entitled MARK FORMING APPARATUS, METHOD OF FORMING LASER

MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK, the specification of which

☐ is attached hereto.

☒ was filed on June 2, 2000 as reissue application number 09 / 588,364 and was amended on \_\_\_\_\_ (If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described as follows:

During the prosecution of the application that issued as the above patent, the inventors did not recognize that the features disclosed at page 31, line 23 to page 32, line 15 were appropriate to claim. As such, the inventors did not claim all that they had a right to claim. This error was made without deceptive intent.

[Page 1 of 2]

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional)– <b>MTS-520US1</b>		
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.				
Name(s)	Registration Number			
Allan Ratner	19,717			
Jacques L. Etkowicz	41,738			
Correspondence Address: Direct all communications about the application to:				
<input type="checkbox"/> Customer Number			Place Customer Number Bar Code Label here	
OR	Type Customer Number here			
<input checked="" type="checkbox"/> Firm or Individual Name	Ratner & Prestia			
Address	P.O. Box 980			
Address				
City	Valley Forge	State	PA	ZIP 19482
Country				
Telephone	610-407-0700	Fax	610-407-0701	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.				
Full name of sole or first inventor (given name, family name)				
Mitsuaki Oshima				
Inventor's signature <i>Mitsuaki Oshima</i>				
Residence	Kyoto, Japan	Date June 26, 2000		
Post Office Address 115-3, Minamitatsumi-cho, Katsura, Nishikyo-ku, Kyoto-shi, Kyoto 615, Japan		Citizenship Japanese		
Full name of second joint inventor (given name, family name)				
Yoshiho Gotoh				
Inventor's signature <i>Yoshiho Gotoh</i>		Date June 26, 2000		
Residence	Osaka, Japan	Citizenship Japanese		
Post Office Address Room 201, 9-17, Higashinkahama 4-chome, Jyoto-ku, Osaka-shi, Osaka 536, Japan				
Full name of third joint inventor (given name, family name)				
Inventor's signature		Date		
Residence		Citizenship		
Post Office Address				
<input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto.				

Please type a plus sign (+) inside this box → ☐

PTO/SB/02C (3-97)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

## DECLARATION

## REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Kevin R. Casey	32,117		
Benjamin E. Leace	33,412		
James C. Simmons	24,842		
Lawrence E. Ashery	34,515		
Christopher R. Lewis	36,201		
Robert L. Andersen	25,771		
Daniel N. Calder	27,424		
Louis W. Beardell, Jr.	40,506		
Jacques L. Etkowicz	41,738		
Jonathan H. Spadt	45,122		
Mark J. Marcelli	36,593		
Joshua L. Cohen	38,040		
Jack J. Jankovitz	42,690		
Christopher I. Halliday	42,621		

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MTS-520 W3

COPY

PTO/SB/52 (08-99)

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Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

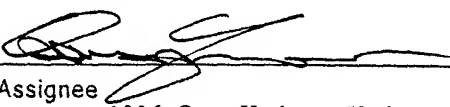
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

<b>REISSUE APPLICATION DECLARATION BY THE ASSIGNEE</b>		Docket Number (optional) <b>MTS-520US1</b>
<p>I hereby declare that:</p> <p>My residence and post office address and citizenship are stated below next to my name.</p> <p>I am authorized to act on behalf of the following assignee: <u>Matsushita Electric Industrial Co., Ltd.</u></p> <p>and the title of my position with said assignee is: <u>Director</u></p> <p>The entire title to the patent identified below is vested in said assignee.</p>		
<p>Name of Patentee(s):</p> <p style="text-align: center;"><b>Mitsuaki Oshima; Yoshiho Gotoh</b></p>		
Patent Number <b>5,761,301</b>	Date of Patent Issued <b>June 2, 1998</b>	
<p>Title of Invention</p> <p style="text-align: center;"><b>MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK</b></p>		
<p>I believe said patentee(s) to be the original, first and sole/joint inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled <u>See Attachment</u></p>		
<p>the specification of which</p> <p><input type="checkbox"/> is attached hereto.</p> <p><input checked="" type="checkbox"/> was filed on <u>June 2, 2000</u> as reissue application number <u>09/588,364</u> and was amended on _____ (If applicable)</p>		
<p>I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.</p> <p>I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.</p> <p>I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)</p> <p><input type="checkbox"/> by reason of a defective specification or drawing.</p> <p><input checked="" type="checkbox"/> by reason of the patentee claiming more or less than he had the right to claim in the patent.</p> <p><input type="checkbox"/> by reason of other errors.</p>		
<p>At least one error upon which reissue is based is described as follows:</p> <p>During the prosecution of the application that issued as the above patent, the inventors did not recognize that the features disclosed at page 31, line 23 to page 32, line 15 were appropriate to claim. As such, the inventors did not claim all that they had a right to claim. This error was made without deceptive intent.</p> <p style="text-align: center;">[Attach additional sheets, if needed.]</p>		
<p>All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.</p>		

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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(REISSUE APPLICATION DECLARATION BY THE ASSIGNEE, page 2)				Docket Number (Optional ) MTS-520US1	
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.					
Name(s)		Registration Number			
Allan Ratner		19,717			
Lawrence E. Ashery		34,515			
Jacques L. Etkowicz		41,738			
Jack J. Jankovitz		42,690			
Correspondence Address: Direct all communications about the application to:					
<input type="checkbox"/> Customer Number		<div style="border: 1px solid black; width: 150px; height: 30px;"></div>		<div style="border: 1px solid black; padding: 5px; text-align: center;"> Place Customer Number Bar Code Label Here </div>	
OR		Type Customer Number Here			
<input checked="" type="checkbox"/> Firm or Individual Name	Ratner & Prestia				
Address	P.O. Box 980				
Address					
City	Valley Forge	State	PA	Zip	19482
Country					
Telephone	(610) 407-0700	Fax	(610) 407-0701		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1 001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.					
Full name of person signing (given name, family name) Osamu Yamazaki					
Signature 			Date June 26, 2000		
Address of Assignee 1006, Oaza Kadoma, Kadoma-shi, Osaka 571, Japan					
Patentee Mitsuaki Oshima			Citizenship Japanese		
Residence/Post Office Address 115-3, Minamitatsumi-cho, Katsura, Nishikyo-ku, Kyoto-shi, Kyoto 615, Japan					
Patentee Yoshiho Gotoh			Citizenship Japanese		
Residence/Post Office Address Room 201, 9-17, Higashinkahama 4-chome, Jyoto-ku, Osaka-shi, Osaka 536 Japan					



Attachment to PTO/SB/52 (12-97) Reissue Application Declaration by  
the Assignee

Title of Invention:

MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON  
OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF  
PRODUCING OPTICAL DISK

402347-2004

MTS-520US3

Practitioner's Docket No. MTS-520US1.

COPY

PATENT

ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION

This is part of the application for a reissue patent filed herewith based on the original patent identified as follows:

Name of Patentee: Matsushita Electric Industrial Co., Ltd.

Patent Number: 5,761,301

Date Patent Issued: 06/02/98

Title of Invention: MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK

I am an assignee owning an undivided interest to the above original patent.

I assent to the accompanying application for reissue.

Attached is a "Certificate under 37 C.F.R. section 3.73(b)"

Matsushita Electric Industrial Co., Ltd.

  
Signature of person signing for assignee

Date: June 26, 2000

Osamu Yamazaki

Director

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JUL - 3 1996

RATNER & PRESTIA



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADEMARKS

Washington, D C 20231

JUNE 29, 1996

PTAS



\*100173965A\*

RATNER & PRESTIA  
ALLAN RATNER  
P.O. BOX 980  
500 N. GULPH ROAD  
VALLEY FORGE, PENNSYLVANIA 19482

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/10/1996

REEL/FRAME: 7884/0122

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

OSHIMA, MITSUAKI

DOC DATE: 02/20/1996

ASSIGNOR:

GOTOH, YOSHIHO

DOC DATE: 02/20/1996

ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD.

1006, OAZA KADOMA, KADOMA-SHI

OSAKA, JAPAN 571

SERIAL NUMBER: 08560015

FILING DATE: 11/17/1995

PATENT NUMBER:

ISSUE DATE:

KEITH GOODE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

No legalization required

ASSIGNMENT

WHEREAS, the ASSIGNOR, comprising the following named inventors:

Inventors

ASSIGNORS/  
INVENTORS

1. Mitsuaki OSHIMA
2. Yoshiho GOTOH
- 3.
- 4.

TITLE

has made an invention entitled: MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK and has executed an application for Letters Patent of the United States concurrently herewith;

WHEREAS, the ASSIGNEE, comprising the following named company:

ASSIGNEE  
(Full Name  
and address)

1. MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
of 1006 Oaza Kadoma, Kadoma-shi, Osaka 571 JAPAN

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions and continuations thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

	(Typed or Printed Name)	(Signature)	(Date)
SIGNATURE	1. Mitsuaki OSHIMA	<u>Mitsuaki Oshima</u>	<u>Feb. 20, 1996</u>
	2. Yoshiho GOTOH	<u>Yoshiho Gotoh</u>	<u>Feb. 20, 1996</u>
	3.	_____	_____
	4.	_____	_____

Application for United States Letters Patent

Serial No. 08 580,515 Filed November 17, 1995

Attorney Docket No.: MTS-520

Approved for  
Patent and Trademark Office:

Approved for use through 9/30/00. OMB 0851-0033

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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10/020427  
12/07/81

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